

ABSTRACT OF THE DISCLOSURE

A serial communication transceiver includes a trapezoidal wave signal generation circuit for producing a trapezoidal wave signal responsive to a control signal. The trapezoidal wave signal generation circuit decreases harmonic components in the trapezoidal wave signal and suppresses superimposed noise. The serial communication transceiver also includes a driver circuit for delivering the trapezoidal wave signal to a communication line and a receiver circuit for receiving the trapezoidal wave signal over the communication line. The receiver circuit includes a filter circuit that has a filtering time at the rise of a logically bi-leveled signal substantially equal to a filtering time at the fall of the logically bi-leveled signal.